



Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
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EFS ID: 60900  
Application ID: 09841000  
Title of Invention: IN SITU THERMAL PROCESSING  
OF A HYDROCARBON  
CONTAINING FORMATION TO  
INCREASE A PERMEABILITY OF  
THE FORMATION  
First Named Inventor: Eric de Rouffignac  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2001-04-24  
Effective Receipt Date: 2004-05-13  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 4713  
Attorney Docket Number: 5659-02400  
Total Fees Authorized: 180.0  
Payment Category: Deposit Account  
Deposit Account Number: 501505  
Deposit Account Name: Eric B. Meyertons  
Access Code: \*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2004-05-13  
RAM Sequence Number: 41

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MAY 18 2004

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Digital Certificate Holder: cn=Eric B. Meyertons,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: c3cbd7d63291c14aebd59d3015b98bf766fc5a2b



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Stylesheet Version v1.1.0

|  |  |   |  |                |   |                          |                 |
|--|--|---|--|----------------|---|--------------------------|-----------------|
| <p>Title of<br/>Invention</p>  | <p>IN SITU THERMAL PROCESSING OF A HYDROCARBON<br/>CONTAINING FORMATION TO INCREASE A PERMEABILITY OF<br/>THE FORMATION</p>                          |   |  |                |   |                          |                 |
| <p>Application Number: 09/841000 </p> <p>Date: 2001-04-24</p> <p>First Named Applicant: Eric Pierre de Rouffignac</p> <p>Confirmation Number: 4713</p> <p>Attorney Docket Number: 5659-02400</p>   |  |   |  |                |   |                          |                 |
| <p><b>RECEIVED</b><br/>MAY 18 2004<br/><b>GROUP 3600</b></p>   |  |   |  |                |   |                          |                 |
| <p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p> |  |   |  |                |   |                          |                 |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%; text-align: center; padding: 5px;">Submitted by:</td> <td style="width: 30%; text-align: center; padding: 5px;">Elec. Sign.</td> <td style="width: 30%; text-align: center; padding: 5px;">Sign. Capacity</td> </tr> <tr> <td style="padding: 5px;"> <p>Eric B. Meyertons<br/>Registered Number: 34876</p> </td> <td style="padding: 5px;"> <p>Eric B. Meyertons</p> </td> <td style="padding: 5px;"> <p>Attorney</p> </td> </tr> </table>  |  | Submitted by:   | Elec. Sign.  | Sign. Capacity | <p>Eric B. Meyertons<br/>Registered Number: 34876</p> | <p>Eric B. Meyertons</p> | <p>Attorney</p> |
| Submitted by:  | Elec. Sign.  | Sign. Capacity  |  |                |   |                          |                 |
| <p>Eric B. Meyertons<br/>Registered Number: 34876</p>  | <p>Eric B. Meyertons</p>   | <p>Attorney</p>   |  |                |   |                          |                 |
| <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Documents being submitted</p> <p>us-fee-sheet</p> <br/> <p>us-ids</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Files</p> <p>u11-u19-usfees.xml</p> <p>us-fee-sheet.xml</p> <p>us-fee-sheet.dtd</p> <p>u11-u19-usidst.xml</p> <p>us-ids.dtd</p> <p>us-ids.xml</p> </td> </tr> </table>   |  | <p>Documents being submitted</p> <p>us-fee-sheet</p><br><p>us-ids</p> | <p>Files</p> <p>u11-u19-usfees.xml</p> <p>us-fee-sheet.xml</p> <p>us-fee-sheet.dtd</p> <p>u11-u19-usidst.xml</p> <p>us-ids.dtd</p> <p>us-ids.xml</p> |                |   |                          |                 |
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Comments



**FEE TRANSMITTAL**


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| <p>Title of<br/>Invention</p>   | <p><b>IN SITU THERMAL PROCESSING OF A HYDROCARBON<br/>CONTAINING FORMATION TO INCREASE A PERMEABILITY OF<br/>THE FORMATION</b></p> |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
|---|--|---------------------|-------------|-----------|-------------|---|------|------------------------|---------------------------|--|-------------------------|------------|--|-----------|------|--|-----------|-------------------|--|
| <table style="width: 100%;"> <tr> <td style="width: 30%;">Application Number:</td> <td style="width: 30%;">09/841000</td> <td style="width: 40%; text-align: center;"> </td> </tr> <tr> <td>Date:</td> <td colspan="2">2001-04-24</td> </tr> <tr> <td>First Named Applicant:</td> <td colspan="2">Eric Pierre de Rouffignac</td> </tr> <tr> <td>Attorney Docket Number:</td> <td colspan="2">5659-02400</td> </tr> <tr> <td>Art Unit:</td> <td colspan="2">3672</td> </tr> <tr> <td>Examiner:</td> <td colspan="2">George ASuchfield</td> </tr> </table> <div style="text-align: right; margin-top: 10px;"> <p><b>RECEIVED</b><br/>MAY 18 2004<br/><b>GROUP 3600</b></p> </div> |  | Application Number: | 09/841000   |           | Date:       | 2001-04-24                                    |      | First Named Applicant: | Eric Pierre de Rouffignac |  | Attorney Docket Number: | 5659-02400 |  | Art Unit: | 3672 |  | Examiner: | George ASuchfield |  |
| Application Number:   | 09/841000  |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| Date:   | 2001-04-24   |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| First Named Applicant:  | Eric Pierre de Rouffignac  |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| Attorney Docket Number:   | 5659-02400   |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| Art Unit:   | 3672   |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| Examiner:   | George ASuchfield  |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| <p><b>TOTAL FEE AUTHORIZED \$180</b></p> <p>Patent fees are subject to annual revisions on or about October 1st of each year.</p>   |  |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| <p><b>BASIC FILING FEE</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 60%;">Fee Description</th> <th style="width: 10%;">Fee Code</th> <th style="width: 15%;">Amount \$</th> <th style="width: 15%;">Fee Paid \$</th> </tr> </thead> <tbody> <tr> <td>Submission Of Information Disclosure Stmt Fee</td> <td style="text-align: center;">1806</td> <td style="text-align: center;">180</td> <td style="text-align: center;">180</td> </tr> </tbody> </table>  |  | Fee Description     | Fee Code    | Amount \$ | Fee Paid \$ | Submission Of Information Disclosure Stmt Fee | 1806 | 180                    | 180                       |  |                         |            |  |           |      |  |           |                   |  |
| Fee Description   | Fee Code   | Amount \$           | Fee Paid \$ |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| Submission Of Information Disclosure Stmt Fee   | 1806   | 180                 | 180         |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |
| <p><b>AUTHORIZED BILLING INFORMATION</b></p> <p>The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit account number: 501505</p> <p>Access Code: ****</p> <p>Deposit name: Meyertons, Hood, Kivlin, Kowert, Goetzel, P.C.</p> <p>Deposit authorized name: Eric B. Meyertons</p> <p>Signature: Eric B. Meyerton</p> <p>Date (YYYYMMDD): 2004-05-13</p> <p style="margin-top: 20px;">Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.</p>   |  |                     |             |           |             |   |      |                        |                           |  |                         |            |  |           |      |  |           |                   |  |



## FEE TRANSMITTAL

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| First Named Applicant:  | Eric Pierre de Rouffignac  | <b>RECEIVED</b><br>MAY 18 2004<br><b>GROUP 3600</b>                               |  |
| Attorney Docket Number: | 5659-02400   |   |  |
| Art Unit:               | 3672   |   |  |
| Examiner:               | George ASuchfield  |   |  |

**TOTAL FEE AUTHORIZED \$180**

Patent fees are subject to annual revisions on or about October 1st of each year.

**BASIC FILING FEE**

| Fee Description                               | Fee Code | Amount \$ | Fee Paid \$ |
|---|----------|-----------|-------------|
| Submission Of Information Disclosure Stmt Fee | 1806     | 180       | 180         |

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Deposit authorized name: Eric B. Meyertons

Signature: Eric B. Meyerton

Date (YYYYMMDD): 2004-05-13

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A  
PERMEABILITY OF THE FORMATION

Application Number: 09/841000

Confirmation Number: 4713

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02400

Art Unit: 3672

Examiner: George A Suchfield

Search string: ( 3994340 or 3994341 or 4460044 or 4696345  
or 2584605 or 2969226 or 3982591 or  
3982592 ).pn.



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Certification: This Information Disclosure Statement was submitted under the following conditions, which satisfies the requirement under 37 CFR 1.97(e). The filer certified:

That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

| init | Cite.No. | Patent No. | Date       | Patentee        | Kind | Class | Subclass |
|------|----------|------------|------------|-----------------|------|-------|----------|
|      | 1        | 3994340    | 1976-11-30 | Anderson et al. |      |       |          |
|      | 2        | 3994341    | 1976-11-30 | Anderson et al. |      |       |          |
|      | 3        | 4460044    | 1984-07-17 | Porter          |      |       |          |
|      | 4        | 4696345    | 1987-09-29 | Hsueh           |      |       |          |
|      | 5        | 2584605    | 1952-02-05 | Merriam et al.  |      |       |          |
|      | 6        | 2969226    | 1961-01-24 | Huntington      |      |       |          |

|  |   |         |            |                |
|--|---|---------|------------|----------------|
|  | 7 | 3982591 | 1976-09-28 | Hamrick et al. |
|  | 8 | 3982592 | 1976-09-28 | Hamrick et al. |

## Signature

| Examiner Name    | Date       |
|------------------|------------|
| /Clement Graham/ | 01/05/2009 |